

Title (en)  
TECHNOLOGIES FOR ENHANCING AUDIO QUALITY DURING LOW-QUALITY CONNECTION CONDITIONS

Title (de)  
TECHNOLOGIEN ZUR VERBESSERUNG DER AUDIOQUALITÄT WÄHREND VERBINDUNGSBEDINGUNGEN MIT NIEDRIGER QUALITÄT

Title (fr)  
TECHNOLOGIES POUR AMÉLIORER LA QUALITÉ AUDIO PENDANT DES CONDITIONS DE CONNEXION DE FAIBLE QUALITÉ

Publication  
**EP 4254921 A1 20231004 (EN)**

Application  
**EP 23157081 A 20230216**

Priority  
US 202217711142 A 20220401

Abstract (en)  
Techniques for teleconferencing with enhanced audio during low-quality connection conditions are disclosed. In the illustrative embodiment, a user of a compute device is teleconferencing with users of one or more remote compute devices. The compute device monitors a connection quality with a remote compute device. If the connection quality drops below a threshold, risking gaps in the audio data, the compute device generates speech code data that can be used to fill in the gaps in the audio data. The remote compute device can use the speech code data to augment the audio data by using a voice model to create additional audio data based on the speech code data.

IPC 8 full level  
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CPC (source: EP US)  
**G10L 15/00** (2013.01 - EP); **G10L 15/183** (2013.01 - US); **G10L 15/22** (2013.01 - US); **G10L 19/005** (2013.01 - EP US); **G10L 25/57** (2013.01 - US); **G10L 25/60** (2013.01 - US); **H04M 3/2236** (2013.01 - EP); **G06F 40/242** (2020.01 - EP); **G06F 40/274** (2020.01 - EP); **G10L 19/0018** (2013.01 - EP); **G10L 2015/088** (2013.01 - US); **H04L 1/20** (2013.01 - EP); **H04M 2201/39** (2013.01 - EP); **H04M 2201/40** (2013.01 - EP)

Citation (search report)  
• [X1] EP 3039803 A1 20160706 - UNIFY GMBH & CO KG [DE]  
• [X1] EP 3613041 A1 20200226 - ERICSSON TELEFON AB L M [SE]  
• [X1] WO 2021047763 A1 20210318 - ERICSSON TELEFON AB L M [SE]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

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KH MA MD TN

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**US 2022230643 A1 20220721**; EP 4254921 A1 20231004

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